

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054020 A1

(51) International Patent Classification⁷: **B60S 1/52**

ELVIRA PERALTA, Juan, Jesús [ES/ES]; 1, Calle Monturiol Universo, E-08191 Rubi (ES).

(21) International Application Number:
PCT/EP2004/013255

(74) Agent: **SUGRAÑES-VERDONCES-FERREGÜELA;**
(Association No. 121), Calle Provenza, 304, ES-08008
Barcelona (ES).

(22) International Filing Date:
23 November 2004 (23.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
U 200302713 25 November 2003 (25.11.2003) ES

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **FICO TRANSPAR, S.A. [ES/ES];** Centro Técnico Pujol Y Tarrago- Pol. Ind. Can Marg, arola, Carretera C17, Km. 13, ES-08100 Mollet del Valles (ES).

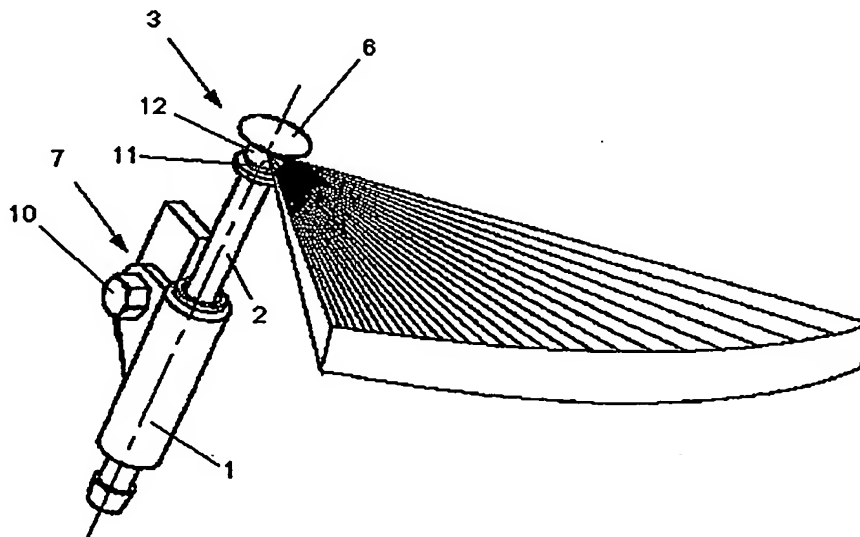
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **MOTA LOPEZ, Miquel [ES/ES];** 28, Calle Oreneta, E-08191 Rubi (ES).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,

[Continued on next page]

(54) Title: TELESCOPIC LIQUID-EJECTION DEVICE FOR VEHICLE WINDOW-WASHING SYSTEMS



(57) Abstract: It comprises a hollow outer section (1) and a hollow inner rod (2) connected at one end to a nozzle (3) and sliding inside said hollow outer section (1) against the force of a spring (5) under pressure exerted by said liquid. Selective means for communication which enable the liquid to move to the nozzle (3), when said hollow inner rod (2) has reached a predetermined extended position. One far end of the nozzle (3) has a flattened configuration (6) and the nozzle (3) and part of the hollow inner rod (2) can protrude from an outer surface (9) of the vehicle when the hollow inner rod (2) is in an extended position, whereas when it is in a retracted position, said flattened configuration (6) lies flush of under this surface (9).

WO 2005/054020 A1



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*